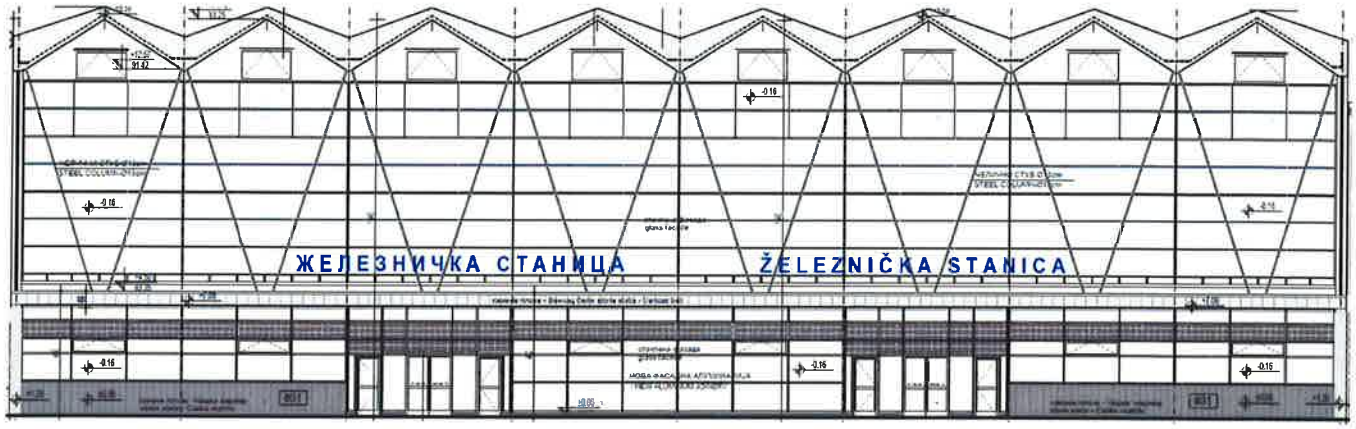
ELABORAT ČELIČNIH NOSAČA STAKLENE FASADE VESTIBILA



Сагласни:

Саставио:

Предраг М. Лукић дип. г. грађ. инж. 410 1686 14

Зоран Петковић, дипл.инж.грађ.

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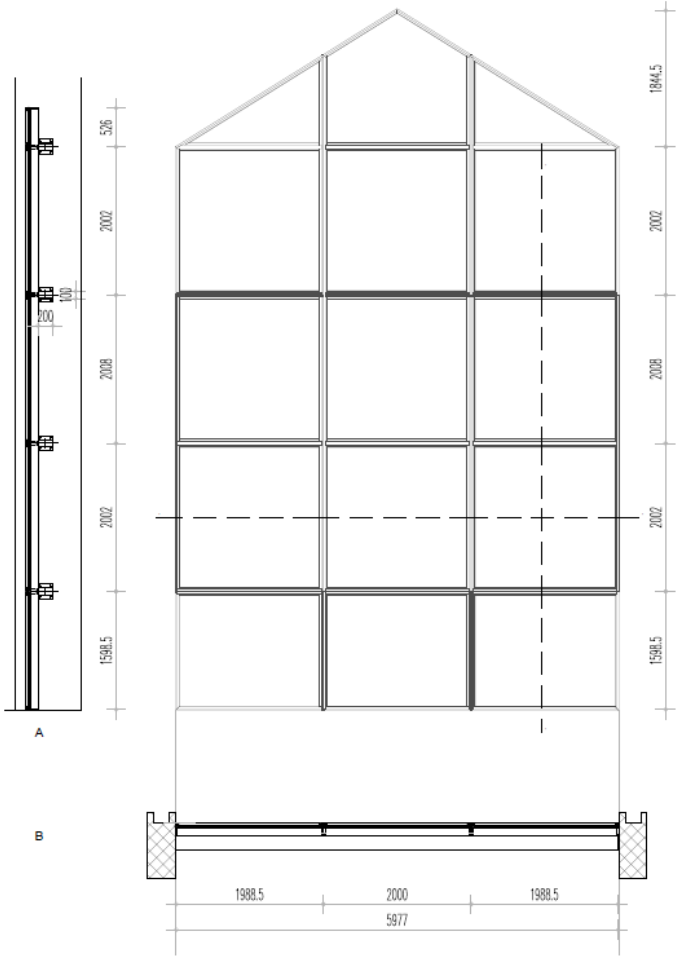
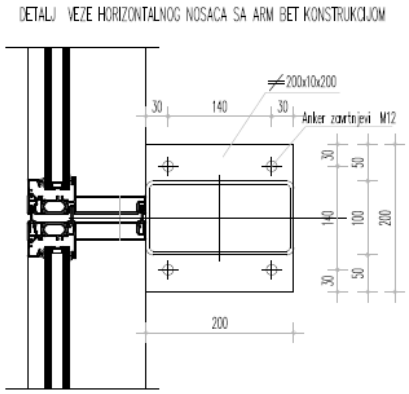
1. Tehnička dokumentacija:

1.1. Tehnička dokumentacija iz knjige 2.9.1.1.1/2.9.1.1.2





САОБРАЋАЈНИ ИНСТИТУТ ЦИП, д.о.о.
Немањина 6; 11000 Београд; Србија
Тел: 011/3618-134; Факс: 011/3618-324; web site: www.sicip.co.rs
Организациона јединица : ЗАВОД ЗА АРХИТЕКТУРУ И УРБАНИЗАМ /

Одговорни пројектант за конструкцију
Слободан Наумовић, дипл.грађ.инж.
лиценца број: 300 1184 03

Пројектант:
Ивана Левајац, дипл.грађ.инж.

Инвеститор пројекта:
" ИНФРАСТРУКТУРА ЖЕЛЕЗНИЦЕ СРБИЈЕ " А.Д.
Немањина 6/IV, Београд

Објекат:
БЕОГРАД - СУБОТИЦА - ДРЖАВНА ГРАНИЦА (КЕЛЕБИЈА)
ДЕОНИЦА ПРУГЕ НОВИ САД - СУБОТИЦА - ДРЖАВНА ГРАНИЦА (КЕЛЕБИЈА)

Део пројекта:
2/9.1.1 Пројекат конструкције реконструкције и адаптације станичне зграде у станици Нови Сад

Унутрашња контрола:
Јован Попов, маст.инж.грађ.

Главни пројектант:
др Љиљана Милић Марковић, дипл.инж.грађ.

Руководилац организационе јединице:
Светлана Карановић, дипл.инж.арх.

Цртеж: Челични хоризонтални носачи фасаде
Размера: 1:50
Фаза пројекта: ПГД
Датум: 04.2021
Цртеж бр.: 2020-250-АРХ-2/9.1.1-Ц04

САОБРАЋАЈНИ ИНСТИТУТ ЦИП д.о.о
Немањина 6/IV, 11000 Београд

Усвојен пресек : ХОП □ 200x100x5

$W_x = 143.82\ cm^3$ $I_x = 1438.25\ cm^4$

Контрола напона : $\sigma = \frac{15.21 * 1'00}{143.82} = 10.58\ kN/cm^2 < 16.0\ kN/cm^2$

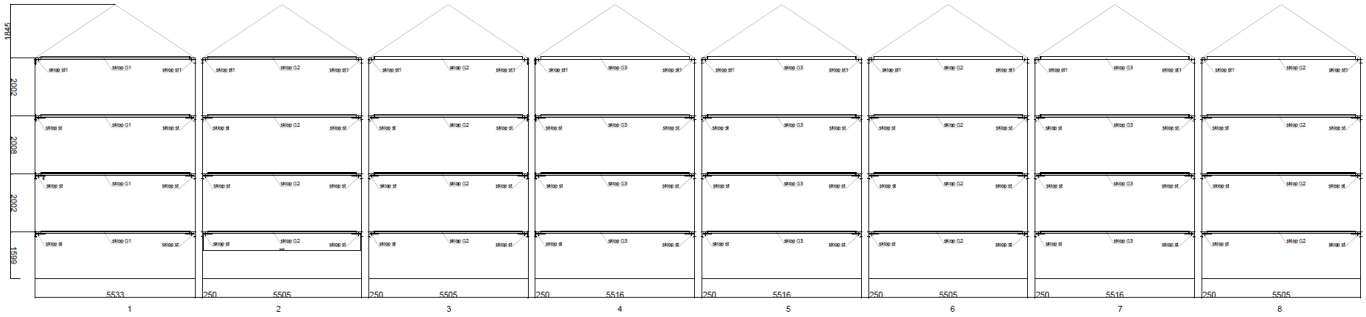
Контрола деформација : $f = \frac{5}{384} * \frac{3.38 * \frac{1}{100} * 600^4}{2.1 * 10^4 * 1438.25} = 1.89\ cm < \frac{L}{300} = 2.00\ cm$

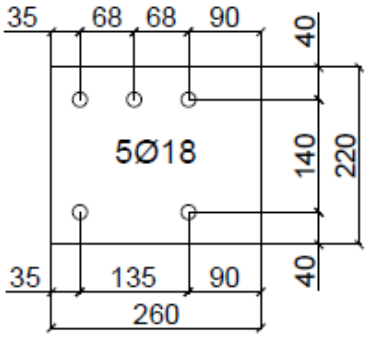
Срачунао :

Инжењерска комора Србије
Слободан С. Наумовић
дипл. грађ. инж.
310 3056 03
Одговорни пројектант

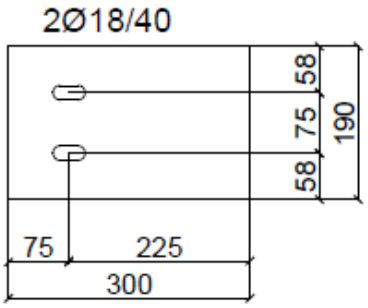
Слободан Наумовић, дипл.грађ.инж.

1.2. Radionički crteži čeličnih profila sa detaljima veze kutijastih profila i AB stubova

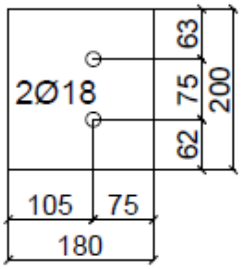




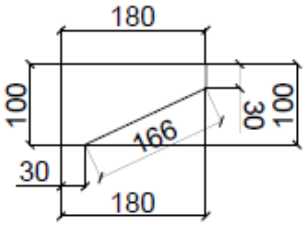
Pos ap1 ≠220x10x260 kom.48



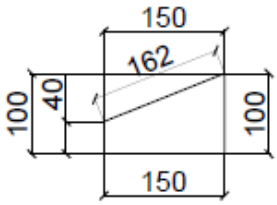
Pos p1 ≠300x10x190 kom.64



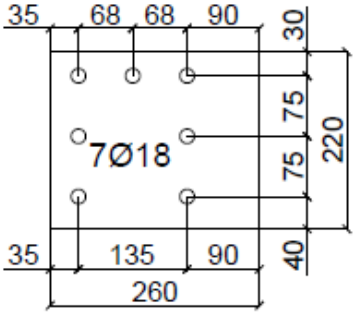
Pos p2 ≠180x10x200 kom.64



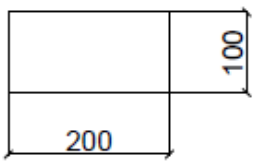
Pos r1 ≠100x6x180 kom.128



Pos r2 ≠100x6x150 kom.64

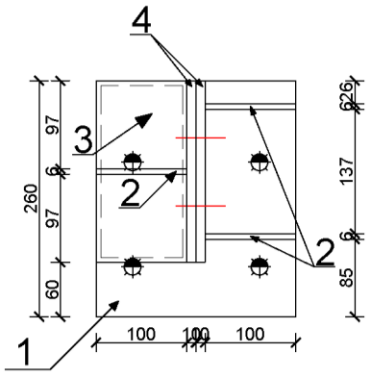


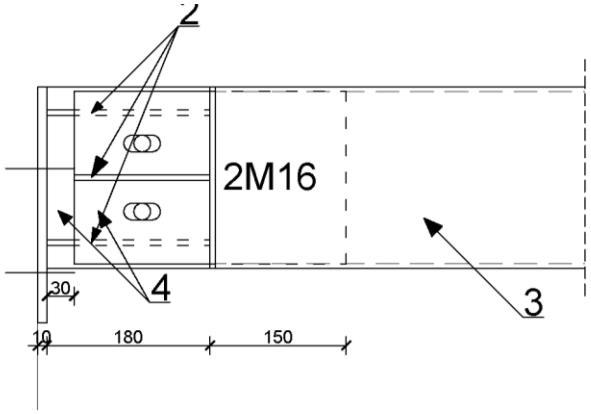
Pos ap2 ≠220x10x260 kom.16

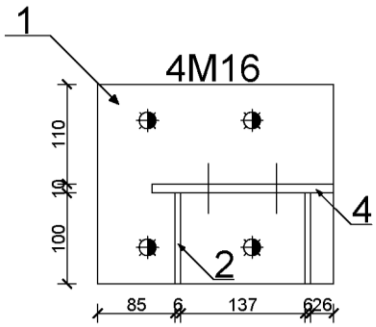


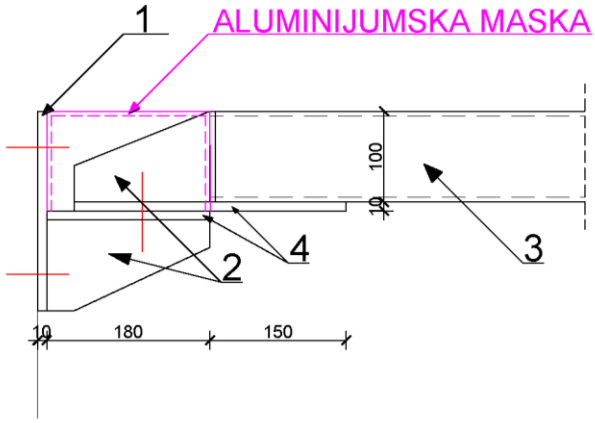
Pos S ≠100x6x200 kom.64

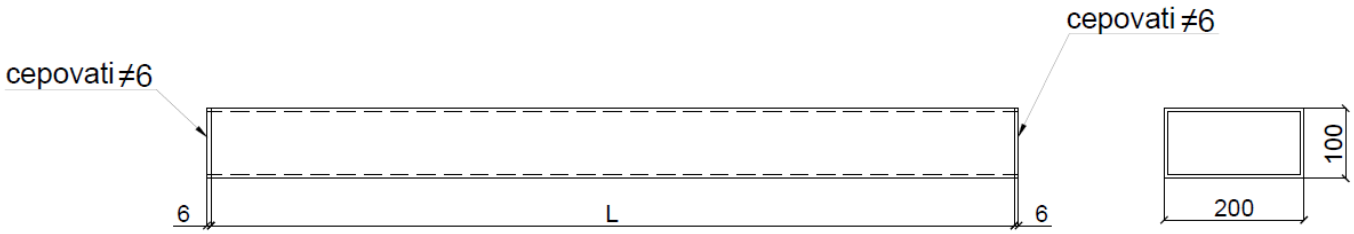
1. Anker ploča
2. Rebra
3. Kutijasti profil 200X100X5
4. Spojne ploče



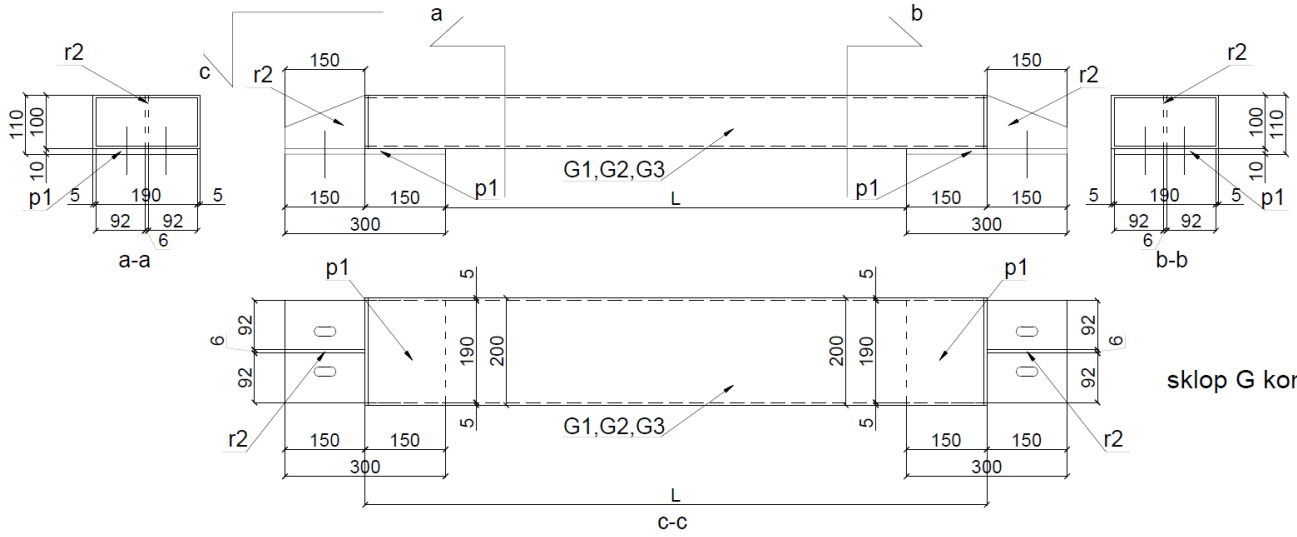






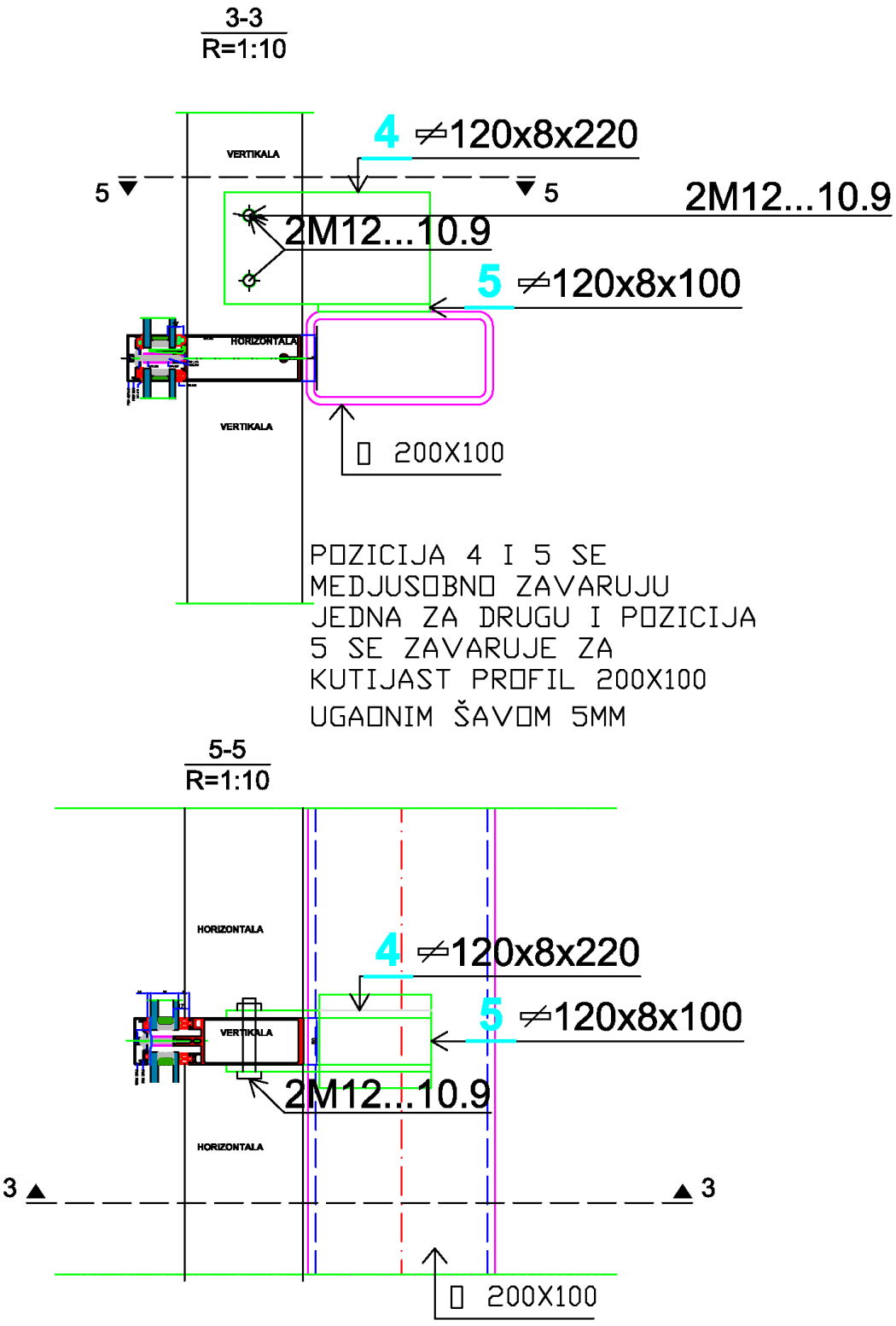


pos G1 □200x100x4...5141 kom.4
pos G2 □200x100x4...5113 kom.16
pos G3 □200x100x4...5124 kom.12



sklop G kom, 32.

1.3. Veza aluminijumskih i čeličnih profila



2. Atesna dokumentacija:

2.1. Sertifikat o ispitivanju vijaka M16X50:

SSF INDUSTRIAL CO.,LIMITED

MILL TEST CERTIFICATION

Certification Conforms to EN10204 3.1

Supplier : SSF INDUSTRIAL CO.,LIMITED **Certificate NO. : 001094**

Buyer: Komet d.o.o. **Invoice No.: 21SF03012P**

Lot No.:2021101020

产品名称 COMMODITY	DIN931	规格 SPECIFION	M16X50	数量 QUANTITY (MPCS)	7.056
材质 MATERIAL	35K	材料来源 SOURCE OF THREAD		邢钢	
性能等级 GRADEOFPROVERTV	8.8	螺纹精度 GRADE OF THREAD	6H	出厂日期 ISSUEDDATE	2021

实测参数
ACTUAL REDULT

机械性能
MECHANICAL PROVERTY

抗拉强度 Tensile Strength N/mm²	屈服强度 Yield Strength N/mm²	保证应力 Proof Stress N/mm²	伸长率 Elongation %	洛氏硬度 HR	磁粉探伤 Magnetic particle fiaw detecion
920	736	662	12	30	OK

化学成份 %
CHEMICAL COMPOSITION

碳(C)	硫(S)	磷(P)	硅(Si)	锰(Mn)	Mo	Cr	Cu	Ni	Ti
0.35	0.005	0.017	0.22	0.68	/	/	/	/	/

备注：
PEMARK

本批产品按：DIN933 标准经检验合格：
We here by certify that product described here in has been made in accordance with standards and specification specified by you that it satisfies the requirement

检验员：QC Chen 技质科：刘 日期：2021-10-11
Surveyor: Manager Inspection: Date:

For and on behalf of
SSF INDUSTRIAL CO., LIMITED
Authorized Signature(s)

2.2. Izveštaj o ispitivanju podloška A16

Type 3.1	Fastener Test Report	DIN EN 10204	Report No.
			BSC2531

Information Related to the Supplier and Purchaser	
Name and Address of the Fastener Supplier	BSC Corporation Limited RM 1702,Block B,No.66,Caobao Road,Xuhui,Shanghai,China
Name and Address of the Fastener Purchaser	Komet Doo Steve Petričevića 22A, 14000 Valjevo, ZIP CODE 14000

Information Related to The Fasteners			
Fastener Designation	Washer DIN125 - M16 - 100HV - A2F		
Manufacturing Lot Number (or trace lot number)	20211026	Fastener Marking(if any)	/
		Label Marking	/

Material Properties			
Dated Reference Standard	ISO 898-3:2018	Material Category, Grade and/or Designation	Steel Q235
Cast Number	/	Test Facility	S

Mechanical and Physical Properties				
Properties	Test Facility	Dated Reference Standard		ISO 898-3:2018
		Quantity of Tested Parts	Specification	Results
Hardness (ISO 898-3 §7.1)	M	8	HV min 100	100 HV30

Dimensional Properties				
Properties (DIN125 Part1:1990)	Test Facility	Quantity of Tested Parts	Specification	Results
Clearance Hole d_1, mm	M	8	min 17.00 ; max 17.27	min 17.00 ; max 17.27
Outside Diameter d_2, mm	M	8	min 29.48; max 30.00	min 29.48; max 30.00
Thickness s, mm	M	8	min 2.70 ; max 3.30	min 2.70 ; max 3.30

Finish-Coating Properties				
Properties (Zinc Electroplating, ISO 4042:1999)	Test Facility	Quantity of Parts	Specification	Results
Coating Thickness, Magnetic Method ISO2178:2016(E)	M	8	min 3µm	3.0µ/4.0µm Mean 3.5µ Conform

Validation

For and on behalf of BSC CORPORATION LIMITED

Authorized Signature(s)

The inspection/tests were performed on samples representative of this manufacturing lot number.
The fasteners delivered are in compliance with the order and have been manufactured in accordance with the relevant standards and/or specifications.

Authorized Representative	Name	Sophia Yang	Date	December 5, 2021
	Function	Business Representative	Signature	Sophia Yang

2.3. Izveštaj o ispitivanju navrtka M16

Type 3.1	Fastener Test Report	DIN EN 10204	Report No.
			BSC21164

Information Related to the Supplier and Purchaser	
Name and Address of the Fastener Supplier	BSC Corporation Limited RM 1702,Block B,No.66,Caobao Road,Xuhui,Shanghai,China
Name and Address of the Fastener Purchaser	Komet Doo Steve Petričevića 22A, 14000 Valjevo, ZIP CODE 14000

Information Related to The Fasteners			
Fastener Designation	Hexagon Nut DIN934 - M16 - Class 10 - Black Oxide		
Manufacturing Lot Number (or trace lot number)	20210831	Fastener Marking(if any)	10
		Label Marking	/

Material Properties			
Dated Reference Standard	DIN267-4:1983	Material Category, Grade and/or Designation	Steel 10B21
Cast Number	/	Test Facility	S

Mechanical and Physical Properties				
Properties	Test Facility	Dated Reference Standard		DIN267-4:1983
		Quantity of Tested Parts	Specification	Results
Proof Load (DIN267-4:1983 §4)	M	8	245000 N	> 245000 N
Hardness (DIN267-4:1983 §4)	M	8	HRC max 36	HRC 34.0 - 35.0

Dimensional Properties				
Properties (DIN934:1987)	Test Facility	Quantity of Tested Parts	Specification	Results
Width Across Flats s, mm	M	8	min 23.67 ; max 24.00	min 23.67 ; max 24.00 (Conform)
Thickness m, mm	M	8	min 12.30 ; max 13.00	min 12.30 ; max 13.00 (Conform)
Width Across Corners e, mm	M	8	min 26.75	> 26.75 (Conform)

Functional Properties				
Properties	Test Facility	Quantity of Tested Parts	Specification	Results
Thread Acceptance (ISO 1502:1996)	M	8	M16-2.00:6H	Go/NoGo: Conform
Appearance (ISO 6157-2:1995)	M	8	No cracks, shear bursts, bursts, seams, folds, voids	Conform

Finish-Coating Properties				
Properties	Test Facility	Quantity of Parts	Specification	Results
/	/	/	/	/

Validation				
The inspection/tests were performed on samples representative of this manufacturing lot number. The fasteners delivered are in compliance with the order and have been manufactured / tested in compliance with the relevant standards and/or specifications.				
Authorized Representative	Name	Ryan Zhang	Date	October 25, 2021
	Function	Business Representative	Signature	Ryan Zhang

For and on behalf of BSC CORPORATION LIMITED
Authorized Signature(s)

2.4. Deklaracija o performansama kutija 200X100X5

IGM TREJD Ilija i dr. D.O.O.

	Сертификат / Certificate 2.2	EN 10204:2004	FM.8.2/02
	Нарачка број / Order No. 4/7104, 4/7124	Референтен број / Ref. No.	
Profile and Pipe factory 'Industriska'. 2 1430. KAVADARCI R.N. MACEDONIA	Пратка Број / Delivery No. 63 / 895	Declaration of Performace No. 01 CPR 2021 - 06 - 07	
	Опис на производот / Product Description CFR (C) H8	Технички побарувања / Technical requirements EN10219	

Испорака Delivery							Хемијски состав Chemical composition [%]											Механичко Технолошки Карак. Mechanical Technological Prop.				
Ознака Marking	Димензии (mm) Dimensions (mm)	Вези Lot	Пар. Pcs	Тежина[Кг] Weight [Kg]	Материјал Material	Стандард Standard	Шаржа Heat No.	C [e-2]	Si [e-2]	Mn [e-2]	P [e-3]	S [e-3]	Al [e-3]	N [e-3]	Cr [e-3]	Ti [e-3]	Ni [e-2]	Reh [N/mm2]	Rm [N/mm2]	A [%]	Cekv	H. T.
Rectangular Pipes	120x100x5x6000	2	32	2900,0	S235JRH	EN10219	22308658	10,9	2,6	62,6	18,8	3,4	38		13	1,5	4,5	271	364	30,27	0,218	
Rectangular Pipes	120x100x5x6000	1	16	1470,0	S235JRH	EN10219	23300257	16,7	1,4	53,4	21,2	17,1	36,3		16,2	0,8	10,4	239	408	26,11	0,232	
Rectangular Pipes	160x100x4x12000	1	12	2040,0	S235JRH	EN10219	62434729	12,6	2,8	52	11,9	13,1	43,6		18,5	0,4	16,7	253	405	30,17	0,228	
Rectangular Pipes	160x100x4x12000	1	12	2040,0	S235JRH	EN10219	62436272	13,2	2,5	53	13,2	1,9	37,1		17,2	0,5	6,2	242	404	25,67	0,228	
Rectangular Pipes	160x100x4x12000	2	24	4060,0	S235JRH	EN10219	62437620	10,4	2,5	51,2	23,5	13,5	36,3		24,6	0,5	16,9	265	377	25,21	0,205	
Rectangular Pipes	200x100x4x6000	2	16	1590,0	S235JRH	EN10219	23100192	11,3	2,4	23,7	23,2	21,6	40,5		13,3	0,6	16,3	257	386	38,15	0,166	
Rectangular Pipes	200x100x4x6000	3	40	3950,0	S235JRH	EN10219	23100267	12,8	2,2	64	17,5	11,7	37,9		20,5	0,9	7,9	257	414	24,52	0,243	
Rectangular Pipes	250x150x5x12000	1	6	1995,0	S235JRH	EN10219	23100218	13,9	1,7	64,3	19,3	21,5	32,3		21,7	0,3	6,5	268	398	26,10	0,255	
Rectangular Pipes	250x150x5x12000	1	6	1995,0	S235JRH	EN10219	23300232	14,3	1,4	20,3	12,6	18,8	25,2		12,2	0,3	3,3	242	362	38,03	0,181	
Rectangular Pipes	250x150x6x12000	1	6	2500,0	S235JRH	EN10219	383408	8,2	2,4	21,4	13,7	26,7	29,5		13	0,5	5,8	260	416	26,84	0,124	
	Вкупно / Total	17	170	24540,0																		

Датум / Date: 01.3.2023 KAVADARCI, R.N. MACEDONIA	With this certificate 'IGM TREJD Ilija i dr. D.O.O.' confirms that the tubes mentioned above meets the requests of the standard and quality declared in this document.	Сектор за Контрола на Квалитет: Quality Control Department:

IGM trade Ilija i dr. DOO Kavadarci

CE

1922 CPR 0180

2.5. Izveštaj o ispitivanju nosača 10000X1500

2.6. Izveštaj o ispitivanju ankera

Technical and Test Institute
for Construction Prague
Prosecká 811/76a
190 00 Prague
Czech Republic
eota@tzus.cz

Member of EOTA
www.eota.eu

European Technical Assessment

ETA 17/0183
of 20/03/2017

Technical Assessment Body issuing the ETA: Technical and Test Institute for Construction Prague	
Trade name of the construction product	Rawlplug R-XPT Throughbolts
Product family to which the construction product belongs	Product area code: 33 Torque controlled expansion anchor for use in uncracked concrete
Manufacturer	Rawlplug S.A. Ul. Kwidzyńska 6 51-416 Wrocław Poland
Manufacturing plant	Manufacturing Plant No 2
This European Technical Assessment contains	10 pages including 8 Annexes which form an integral part of this assessment
This European Technical Assessment is issued in accordance with regulation (EU) No 305/2011, on the basis of	EAD 330232-00-0601 Mechanical fasteners for use in concrete
This version is a corrigendum to	ETA 17/0183 of 20/03/2017

Translations of this European Technical Assessment in other languages shall fully correspond to the original issued document and should be identified as such.

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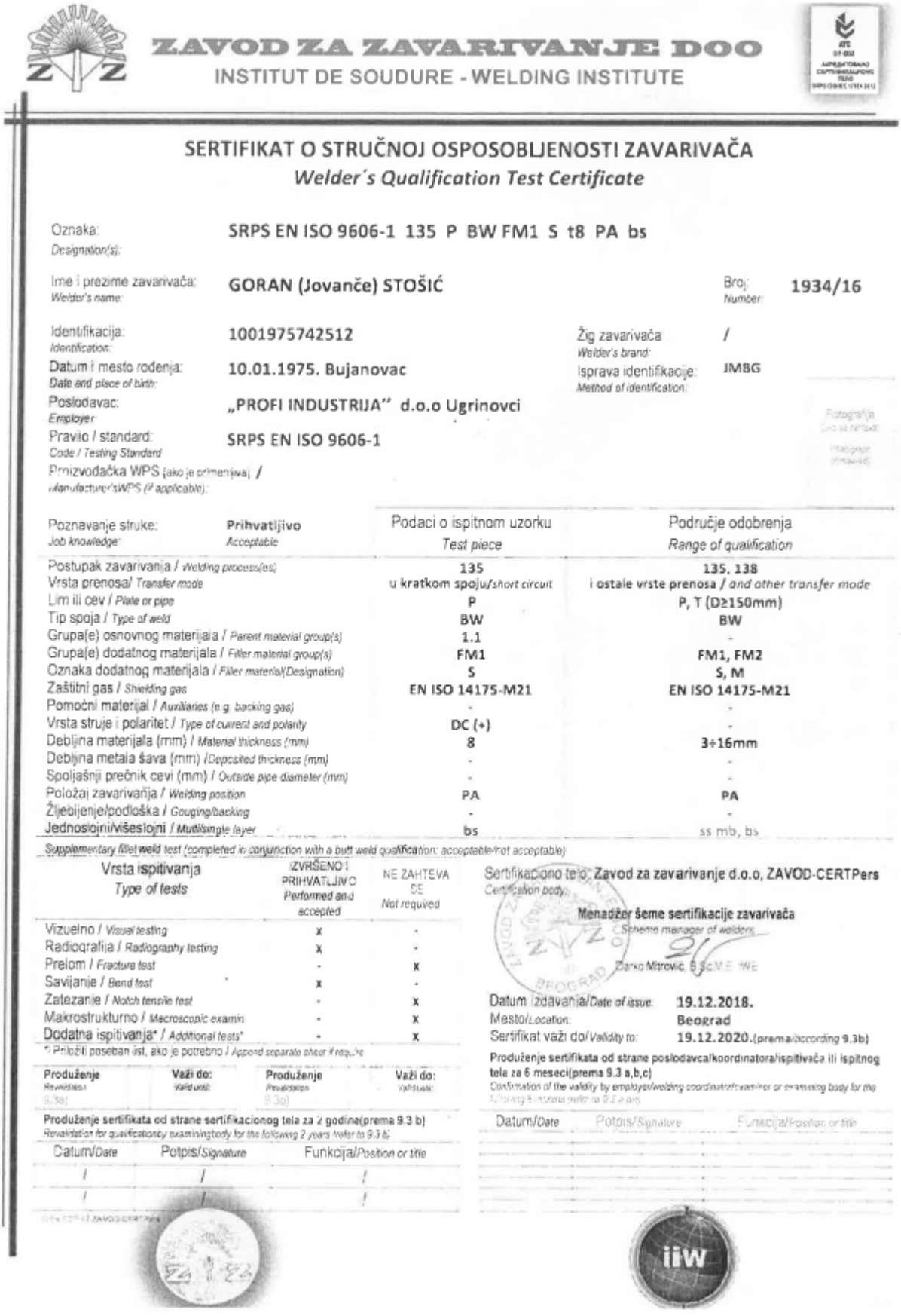
090-038091

3. Atesna dokumentacija zavarivanja:

3.1. Atesti zavarivača



ZAVOD ZA ZAVARIVANJE DOO
INSTITUT DE SOUDURE - WELDING INSTITUTE

SERTIFIKAT O STRUČNOJ OSPOSOBLJENOSTI ZAVARIVAČA
Welder´s Qualification Test Certificate

Oznaka: *Designation(s):* **SRPS EN ISO 9606-1 135 P BW FM1 S t8 PA bs**

Ime i prezime zavarivača: *Welder's name:* **GORAN (Jovanče) STOŠIĆ** Broj: *Number:* **1934/16**

Identifikacija: *Identification:* **1001975742512** Žig zavarivača: *Welder's brand:* /

Datum i mesto rođenja: *Date and place of birth:* **10.01.1975. Bujanovac** Isprava identifikacije: *Method of identification:* **JMBG**

Poslodavac: *Employer* **„PROFI INDUSTRIJA'' d.o.o Ugrinovci**

Pravilo / standard: *Code / Testing Standard* **SRPS EN ISO 9606-1**

Proizvođačka WPS (ako je primenjiva) / *Manufacturer's WPS (if applicable):*

Fotografija

Poznavanje struke: *Job knowledge:* **Prihvatljivo** *Acceptable*	Podaci o ispitnom uzorku *Test piece*	Područje odobrenja *Range of qualification*
Postupak zavarivanja / *Welding process(es)*	135	135, 138
Vrsta prenosa/ *Transfer mode*	u kratkom spoju/*short circuit*	i ostale vrste prenosa / *and other transfer mode*
Lim ili cev / *Plate or pipe*	P	P, T (D≥150mm)
Tip spoja / *Type of weld*	BW	BW
Grupa(e) osnovnog materijala / *Parent material group(s)*	1.1	-
Grupa(e) dodatnog materijala / *Filler material group(s)*	FM1	FM1, FM2
Oznaka dodatnog materijala / *Filler material(Designation)*	S	S, M
Zaštitni gas / *Shielding gas*	EN ISO 14175-M21	EN ISO 14175-M21
Pomoćni materijal / *Auxiliaries (e.g. backing gas)*	-	-
Vrsta struje i polaritet / *Type of current and polarity*	DC (+)	-
Debljina materijala (mm) / *Material thickness (mm)*	8	3÷16mm
Debljina metala šava (mm) /*Deposited thickness (mm)*	-	-
Spoljašnji prečnik cevi (mm) / *Outside pipe diameter (mm)*	-	-
Položaj zavarivanja / *Welding position*	PA	PA
Žljebljenje/podloška / *Gouging/backing*	-	-
Jednoslojni/višeslojni / *Multi/single layer*	bs	ss mb, bs

Supplementary fillet weld test (completed in conjunction with a butt weld qualification: acceptable/not acceptable)

Vrsta ispitivanja *Type of tests*	IZVRŠENO I PRIHVATLJIVO *Performed and accepted*	NE ZAHTEVA SE *Not required*
Vizuelno / *Visual testing*	x	-
Radiografija / *Radiography testing*	x	-
Prelom / *Fracture test*	-	x
Savijanje / *Bend test*	x	-
Zatezanje / *Notch tensile test*	-	x
Makrostrukturno / *Macroscopic examin*	-	x
Dodatna ispitivanja* / *Additional tests**	-	x

*) Priložiti poseban list, ako je potrebno / *Append separate sheet if required*

Produženje *Revalidation*	Važi do: *Valid until:*	Produženje *Revalidation*	Važi do: *Valid until:*
9.3a)		9.3c)	

Produženje sertifikata od strane sertifikacionog tela za 2 godina(prema 9.3 b)
Revalidation for qualification by examining body for the following 2 years (refer to 9.3 b)

Datum/*Date*	Potpis/*Signature*	Funkcija/*Position or title*
/	/	/
/	/	/

Sertifikaciono telo: **Zavod za zavarivanje d.o.o, ZAVOD-CERTPers**
Certification body:

Menadžer šeme sertifikacije zavarivača
Scheme manager of welders

Darko Mitrović, B.Sc.M.E. IWE

Datum izdavanja/*Date of issue:* **19.12.2018.**
Mesto/*Location:* **Beograd**
Sertifikat važi do/*Validity to:* **19.12.2020.**(prema/according 9.3b)

Produženje sertifikata od strane poslodavca/koordinatora/ispitivača ili ispitnog tela za 6 meseci(prema 9.3 a,b,c)
Confirmation of the validity by employer/welding coordinator/examiner or examining body for the following 6 months (refer to 9.3 a,b,c)

Datum/*Date*	Potpis/*Signature*	Funkcija/*Position or title*

ZAVOD ZA ZAVARIVANJE DOO
INSTITUT DE SOUDURE - WELDING INSTITUTE

SERTIFIKAT O STRUČNOJ OSPOSOBLJENOSTI ZAVARIVAČA
Welder´s Qualification Test Certificate

Oznaka: **SRPS EN ISO 9606-1 135 P BW FM1 S t8 PA ss nb**
Designation(s):

Ime i prezime zavarivača: **GORAN STOŠIĆ** Broj: **91/21**
Welder's name: *Number:*

Identifikacija: **1001975742512** Žig zavarivača: /
Identification: *Welder's brand:*

Datum i mesto rođenja: **10.01.1975. Bujanovac** Isprava identifikacije: **JMBG**
Date and place of birth: *Method of identification:*

Poslodavac: **Profi Industrija d.o.o. Ugrinovci**
Employer:

Pravilo / standard: **SRPS EN ISO 9606-1**
Code / Testing Standard:

Proizvođačka WPS (ako je primenljiva): /
Manufacturer's WPS (if applicable):

Fotografija / Photograph

Poznavanje struke: *Job knowledge:*	**Prihvatljivo** *Acceptable*	Podaci o ispitnom uzorku *Test piece*	Područje odobrenja *Range of qualification*
Postupak zavarivanja / *Welding process(es)*		**135**	**135, 138**
Vrsta prenosa/ *Transfer mode*		**u kratkom spoju/***short circuit*	**i ostale vrste prenosa /** *and other transfer mode*
Lim ili cev / *Plate or pipe*		**P**	**P, T (D≥150mm)**
Tip spoja / *Type of weld*		**BW**	**BW**
Grupa(e) osnovnog materijala / *Parent material group(s)*		**1.1**	-
Grupa(e) dodatnog materijala / *Filler material group(s)*		**FM1**	**FM1, FM2**
Oznaka dodatnog materijala / *Filler material(Designation)*		**S**	**S, M**
Zaštitni gas / *Shielding gas*		**EN ISO 14175-M21**	**EN ISO 14175-M21**
Pomoćni materijal / *Auxiliaries (e.g. backing gas)*		-	-
Vrsta struje i polaritet / *Type of current and polarity*		**DC (+)**	-
Debljina materijala (mm) / *Material thickness (mm)*		**8**	**3÷16 mm**
Debljina metala šava (mm) /*Deposited thickness (mm)*		-	-
Spoljašnji prečnik cevi (mm) / *Outside pipe diameter (mm)*		-	-
Položaj zavarivanja / *Welding position*		**PA**	**PA**
Žljebljenje/podloška / *Gouging/backing*		**ss nb**	**ss nb, ss mb, bs, ss gb, ss fb**
Jednoslojni/višeslojni / *Multi/single layer*		**ml**	**sl, ml**

Supplementary fillet weld test (completed in conjunction with a butt weld qualification: acceptable/not acceptable)

Vrsta ispitivanja *Type of tests*	IZVRŠENO I PRIHVATLJIVO *Performed and accepted*	NE ZAHTEVA SE *Not required*
Vizuelno / *Visual testing*	x	-
Radiografija / *Radiography testing*	x	-
Prelom / *Fracture test*	-	x
Savijanje / *Bend test*	x	-
Zatezanje / *Notch tensile test*	-	x
Makrostrukturno / *Macroscopic examin*	-	x
Dodatna ispitivanja / *Additional tests**	-	x

* Priložiti poseban list, ako je potrebno / *Append separate sheet if require*

Produženje *Revalidation* 9.3a)	Važi do: *Valid until:*	Produženje *Revalidation* 9.3b)	Važi do: *Valid until:*

Produženje sertifikata od strane sertifikacionog tela za 2 godine(prema 9.3 b)
Revalidation for qualification by examining body for the following 2 years (refer to 9.3 b)

Datum/*Date* Potpis/*Signature* Funkcija/*Position or title*

Sertifikaciono telo: **Zavod za zavarivanje d.o.o, ZAVOD-CERTPers**
Certification body:

Menadžer šeme **sertifikacije zavarivača**
Scheme manager of welders

Dr Dejan Radaković, PhD IWE

Datum izdavanja/*Date of issue*: **08.02.2021.**
Mesto/*Location*: **Beograd**
Sertifikat važi do/*Validity to*: **04.02.2023.**(prema/according 9.3b)

Produženje sertifikata od strane poslodavca/koordinatora/ispitivača ili ispitnog tela za 6 meseci(prema 9.3 a,b,c)
Confirmation of the validity by employer/welding coordinator/examiner or examining body for the following 6 months (refer to 9.3 a,b,c)

Datum/*Date* Potpis/*Signature* Funkcija/*Position or title*

ZAVOD ZA ZAVARIVANJE DOO
INSTITUT DE SOUDURE - WELDING INSTITUTE

SERTIFIKAT O STRUČNOJ OSPOSOBLJENOSTI ZAVARIVAČA
Welder´s Qualification Test Certificate

Oznaka: *Designation(s):* **SRPS EN ISO 9606-1 135 P BW FM1 S t8 PA ss nb**

Ime i prezime zavarivača: *Welder's name:* **VINKO ROSIĆ** Broj *Number:* **92/21**

Identifikacija: *Identification:* **1711960880061** Žig zavarivača: *Welder's brand:* /

Datum i mesto rođenja: *Date and place of birth:* **17.11.1960. Beograd** Isprava identifikacije: *Method of identification:* **JMBG**

Poslodavac: *Employer:* **Profi Industrija d.o.o. Ugrinovci**

Pravilo / standard: *Code / Testing Standard:* **SRPS EN ISO 9606-1**

Proizvođačka WPS (ako je primenjiva): *Manufacturer'sWPS (if applicable):* **/**

Fotografija

Poznavanje struke: *Job knowledge:*	**Prihvatljivo** *Acceptable*	Podaci o ispitnom uzorku *Test piece*	Područje odobrenja *Range of qualification*
Postupak zavarivanja / *Welding process(es)*		**135**	**135, 138**
Vrsta prenosa/ *Transfer mode*		**u kratkom spoju/***short circuit*	**i ostale vrste prenosa /** *and other transfer mode*
Lim ili cev / *Plate or pipe*		**P**	**P, T (D≥150mm)**
Tip spoja / *Type of weld*		**BW**	**BW**
Grupa(e) osnovnog materijala / *Parent material group(s)*		**1.1**	-
Grupa(e) dodatnog materijala / *Filler material group(s)*		**FM1**	**FM1, FM2**
Oznaka dodatnog materijala / *Filler material(Designation)*		**S**	**S, M**
Zaštitni gas / *Shielding gas*		**EN ISO 14175-M21**	**EN ISO 14175-M21**
Pomoćni materijal / *Auxiliaries (e.g. backing gas)*		-	-
Vrsta struje i polaritet / *Type of current and polarity*		**DC (+)**	-
Debljina materijala (mm) / *Material thickness (mm)*		**8**	**3÷16 mm**
Debljina metala šava (mm) /*Deposited thickness (mm)*		-	-
Spoljašnji prečnik cevi (mm) / *Outside pipe diameter (mm)*		-	-
Položaj zavarivanja / *Welding position*		**PA**	**PA**
Žljebljenje/podloška / *Gouging/backing*		**ss nb**	**ss nb, ss mb, bs, ss gb, ss fb**
Jednoslojni/višeslojni / *Multi/single layer*		**ml**	sl, ml

Supplementary fillet weld test (completed in connection with a butt weld qualification: acceptable/not acceptable)

Vrsta ispitivanja *Type of tests*	IZVRŠENO I PRIHVATLJIVO *Performed and accepted*	NE ZAHTEVA SE *Not required*
Vizuelno / *Visual testing*	x	-
Radiografija / *Radiography testing*	x	-
Prelom / *Fracture test*	-	x
Savijanje / *Bend test*	x	-
Zatezanje / *Notch tensile test*	-	x
Makrostrukturno / *Macroscopic examin*	-	x
Dodatna ispitivanja* / *Additional tests**	-	x

* Priložiti poseban list, ako je potrebno / *Append separate sheet if require*

Produženje *Revalidation* 9.3a)	Važi do: *Valid until*	**Produženje** *Revalidation* 9.3b)	Važi do: *Valid until*

Produženje sertifikata od strane sertifikacionog tela za 2 godine(prema 9.3 b)
Revalidation for qualification by examining body for the following 2 years (refer to 9.3 b)

Datum/*Date* Potpis/*Signature* Funkcija/*Position or title*

Sertifikaciono telo: **Zavod za zavarivanje d.o.o, ZAVOD-CERTPers**
Certification body

Menadžer šeme sertifikacije zavarivača
Scheme manager of welders

Datum izdavanja/*Date of issue:* **08.02.2021.**
Mesto/*Location:* **Beograd**
Sertifikat važi do/*Validity to:* **04.02.2023.**(prema/according 9.3b)

Produženje sertifikata od strane poslodavca/koordinatora/ispitivača ili ispitnog tela za 6 meseci(prema 9.3 a,b,c)
Confirmation of the validity by employer/welding coordinator/examiner or examining body for the following 6 months (refer to 9.3 a,b,c)

Datum/*Date* Potpis/*Signature* Funkcija/*Position or title*

4. Sertifikati

Certificate

Inspection of the welding quality requirements according ISO 3834

Certificate no.:	01 240 SRB/A 22 1001
Name and address of the certificate holder:	**Profi Industrija d.o.o.** **Zemunska 22/12** **11277 Ugrinovci** **Serbia**

It is hereby certified that the manufacturer has furnished proof of the quality requirements according to the test basis. The mentioned company:

- operates a quality system which ensures that the manufacture and inspection of the products stated in our report, are in compliance with applicable technical standards and regulations;
- employs qualified supervisory and inspection personnel;
- has qualified welding processes and welding personnel;
- has adequate facilities permitting manufacture and inspection of welded products.

Test basis:	**EN ISO 3834-2**
Audit report no.:	E-22190-I
Scope:	**The scope of the inspection and other relevant data are given in the annex to the certificate.**
Manufacturing plant:	see annex 2
Validity:	**This certificate is valid until 2025-07-07.**

Cologne, 2022-07-08

Dipl.-Ing. Achim Makowka
Certification Body for welding manufacturers

TÜV Rheinland Industrie Service GmbH
Certification Body for welding manufacturers
Am Grauen Stein, D-51105 Cologne

M-012-Rev24

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Number: T2.1-MS-0034790 Revision: 6

WELDING CERTIFICATE

8610-1090-1.RS0001.TÜVRh.22.00

in accordance with EN 1090-1:2009+A1:2011, table B.1 for execution of structural steel components EN 1090-2:2018 / aluminium EN 1090-3:2008

Manufacturer	**PROFI Industrija d.o.o.** Zemunska 22/12 11277, Ugrinovci Serbia
Manufacturing plant Production facility of the manufacturer	Beogradska br.93, 11277 Ugrinovci
Technical specification	EN 1090-2:2018
Execution class(es)	EXC2 according to EN 1090-1:2009+A1:2011
Welding Process(es) (Reference no acc. to EN ISO 4063)	135 - Metal active gas welding, partly mechanized
Material group	1.1, 1.2 according to CEN ISO/TR 15608
Responsible welding coordinator	IWE Diploma No: SRB/IWE/00123
Confirmation	All provisions concerning welding as described in the above mentioned technical specification(s) were applied.
Begin of validity	02.01.2023
Period of validity	01.01.2024
Place and date of issue	Zabrze, 02.01.2023

Wojciech Szałek
Certification Body

TÜV Rheinland® Certification Body

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CERTIFICATE

conformity of the Factory Production Control

2627-CPR-1090-1.RS0001.TÜVRh.22.00

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulations - CPR)

This certificate applies to the following construction product:

Construction product	Structural components and kits for steel structures to EXC2 according to EN 1090-2:2018
Intended use	for load-bearing structures in all types of buildings
CE-marking method	ZA.3.2, ZA.3.4 according to EN 1090-1:2009+A1:2011
Manufacturer	**PROFI Industrija d.o.o.** Zemunska 22/12 11277, Ugrinovci Serbia
Manufacturing plant Production facility of the manufacturer	Beogradska br.93, 11277 Ugrinovci
Confirmation	This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the harmonised standard EN 1090-1:2009+A1:2011 under system 2+ are applied and that the factory production control is assessed to be in conformity with the applicable requirements.
Date of first issue	02.01.2023
Next Surveillance inspection	29.04.2023
Period of validity	This certificate will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified factory production control certification body.
Place and date of issue	Zabrze, 02.01.2023

Wojciech Szałek
Notified Body

PCA
AC 141

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РЕПУБЛИКА СРБИЈА

ВИСОКА ГРАЂЕВИНСКО-ГЕОДЕТСКА ШКОЛА СТРУКОВНИХ СТУДИЈА У БЕОГРАДУ

Оснивач: РЕПУБЛИКА СРБИЈА

Дозволу за рад број: 612-00-580/2007-04 од 12. 07. 2007. године издало је Министарство просвете Републике Србије, Београд

ДИПЛОМА

Владимир (Раде) Обрадовић
(име једног родитеља, презиме)

рођен-а 4.11.1992. године у Лозници (место),

Лозница (општина), Р. Србија (држава),

уписан-а школске 2011 / 12 године, а дана 21.6. 20 16. године завршио-ла је

основне струковне студије ПРВОГ СТЕПЕНА на студијском програму

Грађевинско инжењерство

обима *180* (*сто осамдесет*) бодова ЕСПБ

са просечном оценом 7,37 (седам и 37/100) (словима).

На основу тога издаје се ова диплома о стеченом ВИСОКОМ ОБРАЗОВАЊУ и стручном називу

Струковни инжењер грађевинарства

01-VI/1976-A (број дипломе) 21.11.2016. (датум издавања) године

У Београду

Директор

ОС- 002560